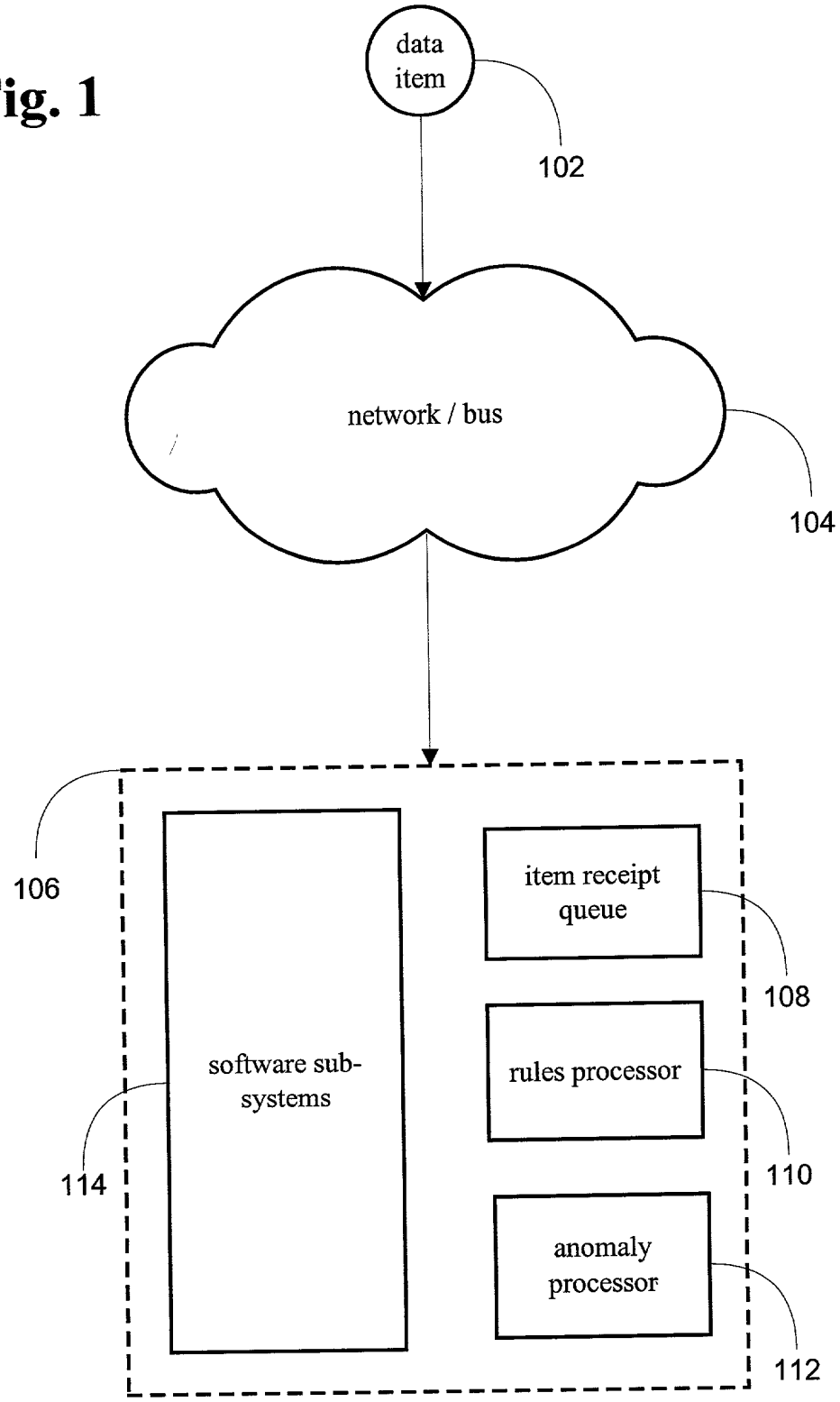
1005450 "01/20

Fig. 1



20054650.04702

Fig. 2

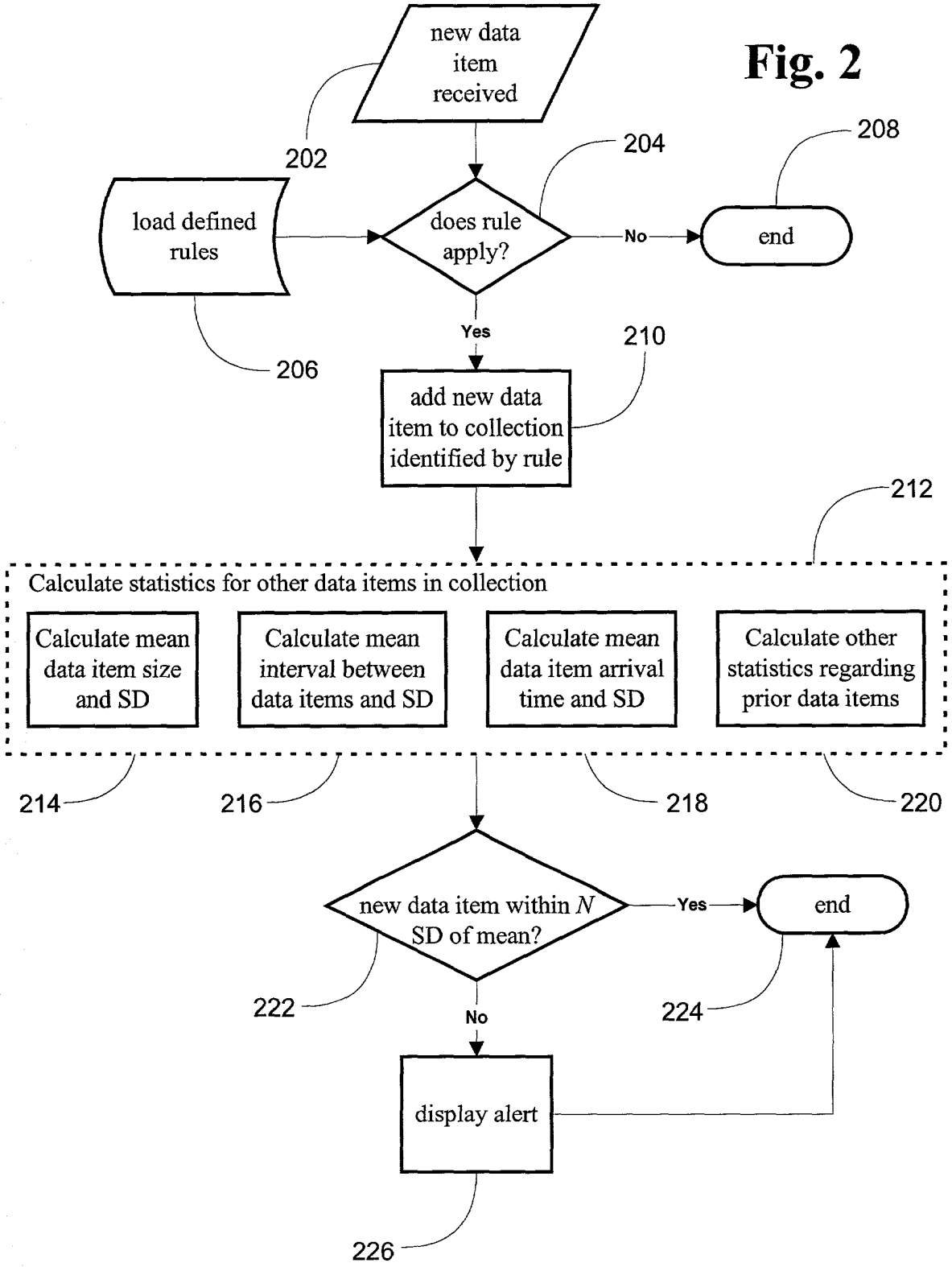


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Fig. 3

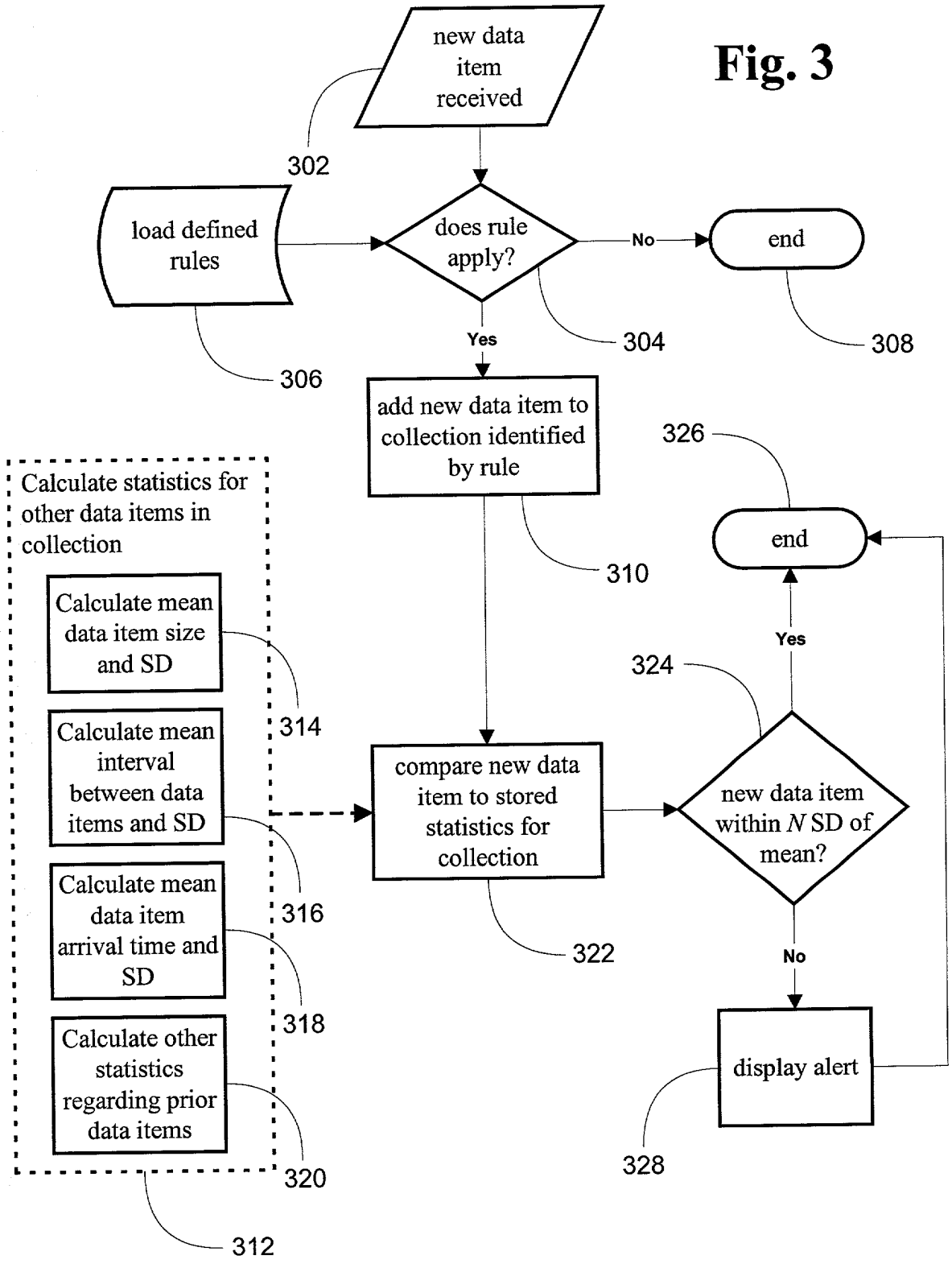
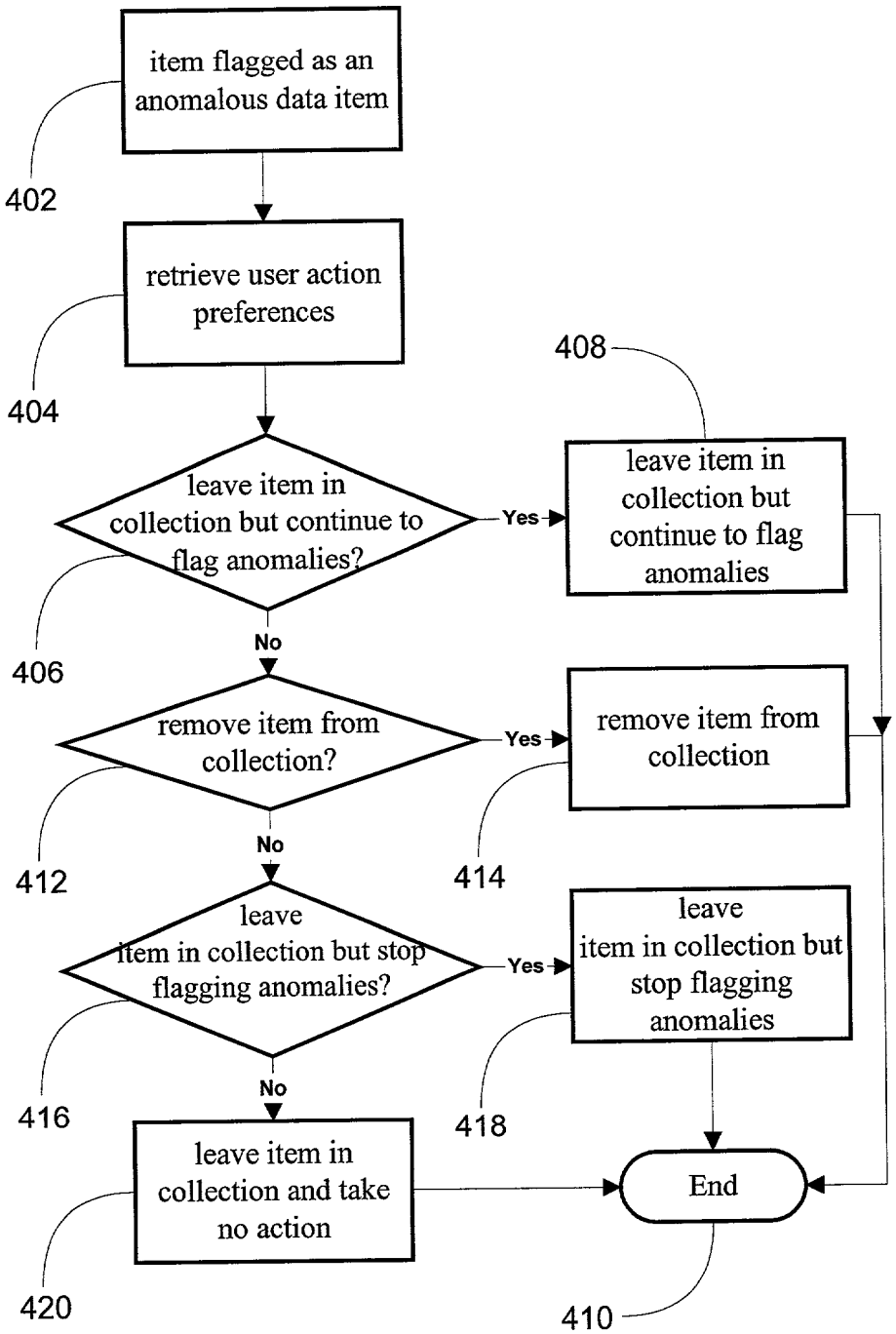


Fig. 4


item flagged as an anomalous data item
402
retrieve user action preferences
404
leave item in collection but continue to flag anomalies?
406
Yes
408
leave item in collection but continue to flag anomalies
No
remove item from collection?
412
Yes
remove item from collection
414
No
leave item in collection but stop flagging anomalies?
416
Yes
leave item in collection but stop flagging anomalies
418
No
leave item in collection and take no action
420
End
410

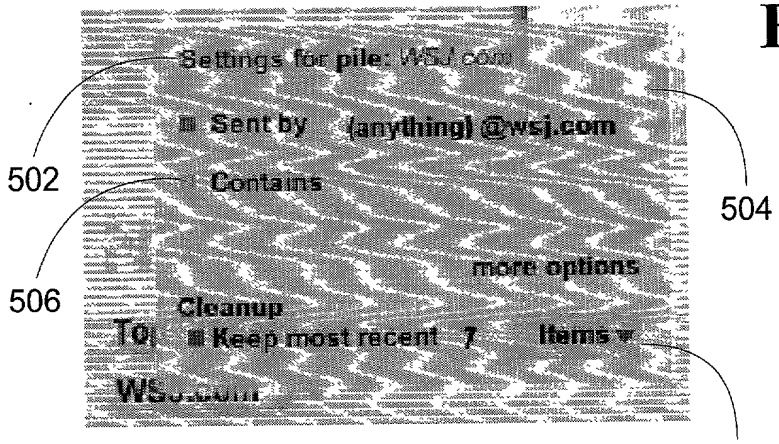


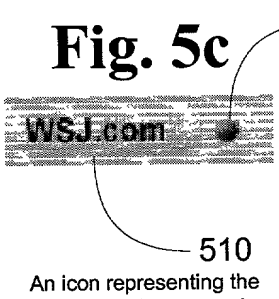
Fig. 5a

Sample of a rule describing which new mail messages should be added to a collection. (Here, all messages arriving from domain "wsj.com")

Fig. 5b

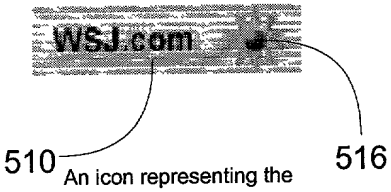
An icon representing the collection when nothing new has been added.

Fig. 5c

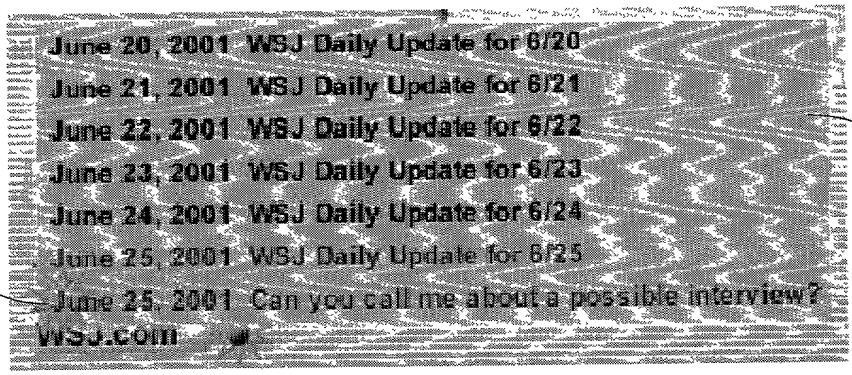


An icon representing the collection when a regular (e.g., unexceptional) new message has been added.

Fig. 5d



An icon representing the collection notifying the user that a message that has been added is not like the others; although it does match the rule, it differs from the other messages in the collection, e.g., an anomalous data item



A view showing the contents in the collection, showing the anomalous message flagged at the bottom.

Fig. 5e